

Daily Drilling and Scientific Report for IODP/ICDP Expedition 364  
Chicxulub Impact Crater 2016



18<sup>th</sup> May 00:00 - 24:00 CDT (UTC -5)

**1. Location**

Position 21 Deg 27.009' N, 89 Deg 56.962' W  
IODP-MSP borehole M0077A  
Prospectus borehole Chix-03B  
Water Depth: 19.8 m

**2. Operations Report**

Coring continued from the previous day. Coring progressed at a good rate throughout the day with high quality core being retrieved at 100% recovery rate. Day ended investigating reason for core barrel not latching.

**3. Science Report**

First cores up were granite with some interesting thick and thin melt veins. The subsequent cores continued to be granite

**4. Core Recovery Details**

Hole	M0077A
Cores recovered	15
Drilled length (Coring, m)	42.13
Drilled length (Open hole, m)	0
Recovered length (m)	42.83
Recovery (%)	100
Depth at midnight (mbsf)	1057.52

**5. Time Breakdown**

00:00 Continue coring  
00:45 Core on deck  
01:55 Core on deck  
03:30 Core on deck  
04:45 Core on deck  
05:55 Core on deck  
07:20 Core on deck  
08:10 Core on deck  
10:05 Core on deck  
11:15 Core on deck  
12:30 Core on deck  
14:00 Core on deck  
15:10 Core on deck  
16:35 Core on deck  
17:50 Core on deck  
19:35 Core on deck  
24:00 Latching issues with core barrel

**6. Hours (inc. cumulative total) – no contractual implications can be made from these figures**

In port	13.0
Transiting	3.0
Operating	775
Technical downtime	122
Weather downtime	0.0
Other downtime (specify)	0.0

**7. Weather**

Fair, cloudy, humid, wave heights of 0.5 – 0.8 m; wind E 15 Kts, Temperature 25-32°C.

**8. Planned Activity for the next 24 hours**

Continue flushing hole and progress with coring.

**9. Health and Safety and Environmental**

N/A

**10. Photo of the day**



Image: JLOfi©ECORD\_IODP